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Filed : June 21, 1999

## AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

**Claim 1 (Currently amended):** An isolated or purified protein fragment having antimicrobial activity, wherein said protein fragment is a polypeptide ~~comprising having a sequence consisting of a cysteine spacing of~~ C-3X-C-nX-C-3X-C (SEQ ID NOS: 38 and 39) wherein n is 11 or 12, X is any amino acid residue other than cysteine, and C is cysteine.

**Claim 2 (previously presented):** An isolated or purified protein comprising at least one polypeptide fragment according to claim 1, wherein said polypeptide fragment has a sequence selected from the group consisting of SEQ ID NO: 1, SEQ ID NO: 3 and SEQ ID NO: 5.

**Claim 3 (previously presented):** An isolated or purified protein having a sequence selected from the group consisting of SEQ ID NO: 1, SEQ ID NO: 3, and SEQ ID NO: 5.

### Claims 4-10 (cancelled)

**Claim 11 (previously presented):** A composition comprising the protein fragment of claim 1 together with an agriculturally-acceptable carrier diluent or excipient.

**Claim 12 (previously presented):** A composition comprising a protein fragment according to claim 1 together with a pharmaceutically-acceptable carrier diluent or excipient.

### Claim 13 (Cancelled)

**Claim 14 (previously presented):** A method of controlling microbial infestation of a mammal, said method comprising treating the mammal with a protein fragment according to claim 1.

**Claim 15 (previously presented):** The method of claim 14, wherein said mammal is a human.

### Claim 16 (Cancelled)

**Claim 17 (previously presented):** The protein fragment of claim 1, wherein said protein fragment is a polypeptide comprising a cysteine and tyrosine or phenylalanine spacing of Z-2X-C-3X-C-(10-12)X-C-3X-C-3X-Z (SEQ ID NOS: 34-36) wherein X and C are as defined in claim 1, and Z is tyrosine or phenylalanine.

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**Claim 18 (previously presented):** The protein fragment of claim 1, wherein said cysteine spacing comprises C-2X-C-3X-C-(10-12)X-C-3X-C-3X-C (SEQ ID NOS: 31-33) wherein X and C are as defined in claim 1.

**Claim 19 (previously presented):** An isolated or purified protein fragment having antimicrobial activity, wherein said protein fragment is selected from the group consisting of:

- residues 29 to 73 of SEQ ID NO: 1
- residues 74 to 116 of SEQ ID NO: 1
- residues 117 to 185 of SEQ ID NO: 1
- residues 186 to 248 of SEQ ID NO: 1
- residues 29 to 73 of SEQ ID NO: 3
- residues 74 to 116 of SEQ ID NO: 3
- residues 117 to 185 of SEQ ID NO: 3
- residues 186 to 248 of SEQ ID NO: 3
- residues 33 to 75 of SEQ ID NO: 5
- residues 76 to 144 of SEQ ID NO: 5
- residues 145 to 210 of SEQ ID NO: 5
- residues 34 to 80 of SEQ ID NO: 7
- residues 81 to 140 of SEQ ID NO: 7
- residues 33 to 79 of SEQ ID NO: 8
- residues 80 to 119 of SEQ ID NO: 8
- residues 120 to 161 of SEQ ID NO: 8
- residues 32 to 91 of SEQ ID NO: 21
- residues 25 to 84 of SEQ ID NO: 22
- residues 29 to 94 of SEQ ID NO: 24; and
- residues 31 to 85 of SEQ ID NO: 25.

**Claim 20 (previously presented):** The protein fragment of claim 1 which is truncated, wherein said truncated protein fragment retains the antimicrobial activity of the nontruncated protein fragment.

**Claim 21 (previously presented):** A homologue of any of the protein fragments of claim 1.

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**Claims 22-29 (cancelled)**

**Claim 30 (previously presented):** A composition comprising the protein fragment of claim 19 together with an agriculturally-acceptable carrier diluent or excipient.

**Claim 31 (previously presented):** A composition comprising the protein fragment of claim 19 together with a pharmaceutically-acceptable carrier, diluent or excipient.

**Claims 32 and 33 (canceled)**

**Claim 34 (withdrawn):** A method of reducing the number of microbes infesting a plant, the method comprising administering to said plant an effective amount of the composition of claim 11 for a period sufficient to reduce the number of said microbes.

**Claim 35 (cancelled)**

**Claim 36 (previously presented):** A method of controlling microbial infestation of a mammal, the method comprising treating the mammal with a composition according to claim 12.

**Claim 37 (previously presented):** The method of claim 19, wherein said mammal is a human.

**Claim 38 (cancelled)**

**Claim 39 (previously presented):** A method of controlling microbial infestation of a mammal, the method comprising treating the mammal with a composition according to claim 30.

**Claim 40 (previously presented):** The method of claim 39, wherein said mammal is a human.

**Claims 41-42 (cancelled)**

**Claim 43 (previously presented):** A method of reducing the number of microbes infesting a plant, the method comprising administering to said plant an effective amount of the composition of claim 30 for a period sufficient to reduce the number of said microbes.

**Claim 44 (previously presented):** A method of reducing the number of fungi infesting a plant, the method comprising administering to said plant an effective amount of an antimicrobial protein for a period sufficient to reduce the number of said fungi, wherein:

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said antimicrobial protein comprises a polypeptide comprising a cysteine spacing of C-3X-C-(10-12)X-C-3X-C (SEQ ID NOS: 37-39) wherein X is any amino acid residue other than cysteine, and C is cysteine.

**Claim 45 (previously presented):** A method of reducing the number of fungi infesting a plant, the method comprising administering to said plant an effective amount of a composition comprising an antimicrobial protein together with an agriculturally-acceptable carrier diluent or excipient for a period sufficient to reduce the number of said fungi, wherein:

said antimicrobial protein comprises a polypeptide comprising a cysteine spacing of C-3X-C-(10-12)X-C-3X-C (SEQ ID NOS: 37-39) wherein X is any amino acid residue other than cysteine, and C is cysteine.

**Claim 46 (previously presented):** A composition comprising the isolated or purified protein of claim 2 together with an agriculturally-acceptable carrier diluent or excipient.

**Claim 47 (previously presented):** A composition comprising the isolated or purified protein of claim 3 together with an agriculturally-acceptable carrier diluent or excipient.

**Claim 48 (previously presented):** A method of reducing the number of microbes infesting a plant, the method comprising administering to said plant an effective amount of the isolated or purified protein of claim 2 for a period sufficient to reduce the number of said microbes.

**Claim 49 (previously presented):** A method of reducing the number of microbes infesting a plant, the method comprising administering to said plant an effective amount of the isolated or purified protein of claim 3 for a period sufficient to reduce the number of said microbes.

**Claim 50 (previously presented):** A method of reducing the number of microbes infesting a plant, the method comprising administering to said plant an effective amount of the protein fragment of claim 17 for a period sufficient to reduce the number of said microbes.

**Claim 51 (previously presented):** A method of reducing the number of microbes infesting a plant, the method comprising administering to said plant an effective amount of the protein fragment of claim 18 for a period sufficient to reduce the number of said microbes.

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**Claim 52 (previously presented):** A method of reducing the number of microbes infesting a plant, the method comprising administering to said plant an effective amount of the protein fragment of claim 19 for a period sufficient to reduce the number of said microbes.

**Claim 53 (previously presented):** A method of reducing the number of microbes infesting a plant, the method comprising administering to said plant an effective amount of the composition of claim 46 for a period sufficient to reduce the number of said microbes.

**Claim 54 (previously presented):** A method of reducing the number of microbes infesting a plant, the method comprising administering to said plant an effective amount of the composition of claim 47 for a period sufficient to reduce the number of said microbes.